

AMENDMENTS TO THE CLAIMS

The listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) In a computing system that has access to schematized contact data and that is in communication with applications configured to request access to the schematized contact data, one or more of the applications lacking the configuration to natively access the schematized contact data, a method for simplifying access to the schematized contact data, the method comprising:

~~an act of~~ receiving a request to access schematized contact data, the request being received at an application that lacks the configuration to natively access schematized contact data;

~~an act of~~ the application calling an external contact data control that abstracts the formatting of the schematized contact data from the application calling the external contact data control; ~~and~~

~~an act of~~ the application receiving non-schematized contact data from the external contact data control, the non-schematized contact data having been converted from corresponding schematized contact data by the external data contact control; ~~and that corresponds to the requested schematized contact data~~

the application rendering, on a display device, rendered contact data to a user of the application, the rendered contact data corresponding to the non-schematized contact data, and the rendered contact data being presented such that contact data can be presented at the application notwithstanding that the application lacks the configuration to natively access schematized contact data.

2. (Original) The method as recited in claim 1, wherein the act of receiving a request to access schematized contact data comprises an act of receiving a request at an application that lacks the functionality to convert between schematized contact data and non-schematized contact data.

3. (Original) The method as recited in claim 1, wherein the act of receiving a request to access schematized contact data comprises an act of receiving a request at an application that is not authorized to directly access the schematized contact data.

4. (Currently Amended) The method as recited in claim 1, wherein the act of the application calling an external contact data control that abstracts the formatting of the schematized contact data from the application comprises an act of calling a contact data control that prevents empty data fields from being presented.

5. (Original) The method as recited in claim 1, wherein the act of calling an external contact data control that abstracts the formatting of the schematized contact data from the application comprises an act of calling a contact data control that offers an actionable user-interface.

6. (Currently Amended) The method as recited in claim 5, further comprising:
~~an act of selecting~~ a portion of rendered contact data from the actionable user-interface to cause an action associated with an updated application to be performed.

7. (Original) The method as recited in claim 1, wherein the act of calling an external contact data control that abstracts the formatting of the schematized contact data from the application comprises an act of calling a contact data control that presents tasks associated with a data field when focus is shifted to the data field.

8. (Original) The method as recited in claim 1, wherein the act of calling an external contact data control that abstracts the formatting of the schematized contact data from the application comprises an act of calling a contact data control that provides a pop-up menu to manipulate contact data.

9. (Original) The method as recited in claim 1, wherein the act of calling an external contact data control that abstracts the formatting of the schematized contact data from the application comprises an act of calling a contact data control that determines the size of an interface based on the user-input.

10. (Original) The method as recited in claim 1, wherein the act of calling an external contact data control that abstracts the formatting of the schematized contact data from the application comprises an act of calling a contact data control that appropriately presents contact data based on a location associated with the contact data.

11. (Currently Amended) The method as recited in claim 1, wherein the act of calling an external contact data control that abstracts the formatting of the schematized contact data from the application comprises an act of calling a contact data control that determines the contact data to be ~~presented~~rendered based on user-input.

12. (Currently Amended) The method as recited in claim 11, wherein the act of calling a contact data control that determines the contact data to be ~~presented~~rendered based on user-input comprises an act of determining the contact data to be ~~presented~~rendered based on a presentation template.

13. (Currently Amended) The method as recited in claim 11, wherein the act of calling a contact data control that determines the contact data to be ~~presented~~rendered based on user-input comprises an act of determining the contact data to be ~~presented~~rendered based on a dynamically updated presentation template.

14. (Currently Amended) The method as recited in claim 1, wherein the act of calling an external contact data control that determines the contact data to be ~~presented~~rendered based on user-input comprises an act calling a contact data control that sets a default value for a multi-value set.

15. (Currently Amended) In a computing system that has access to schematized contact data and that is in communication with applications configured to request access to schematized contact data, one or more of the applications lacking the configuration to natively access schematized contact data, a method for simplifying access to the schematized contact data, the method comprising:

~~an act of receiving non-schematized contact data that is to be included in schematized contact data,~~ the non-schematized contact data being received at an application that lacks the configuration to natively access schematized contact data and from an external contact data control, the non-schematized contact data having been converted from corresponding schematized contact data by the external contact data control;

the application rendering, on a display device, rendered contact data to a user of the application, the rendered contact data corresponding to the non-schematized contact data;

receiving, at the application, updates to the rendered contact data;

~~an act of the application~~ calling an external contact data control that abstracts the formatting of the schematized contact data from the application calling the external contact data control; ~~and~~

the external contact data control receiving updated non-schematized contact data corresponding to the updated rendered contact data and which is to be included in the schematized contact data;

~~an act of the external contact data control~~ updating the schematized contact data based on the updated non-schematized contact data such that the other applications can access the updated schematized contact data and notwithstanding that the application lacks the configuration to natively access schematized contact data.

16. (Original) The method as recited in claim 15, wherein the an act of receiving non-schematized contact data that is to be included in schematized contact data comprises an act of receiving non-schematized data at an application that lacks the functionality to convert between schematized contact data and non-schematized contact data.

17. (Original) The method as recited in claim 15, wherein the an act of receiving non-schematized contact data that is to be included in schematized contact data comprises an act of receiving non-schematized data at an application that is not authorized to directly access the schematized contact data.

18. (Original) The method as recited in claim 15, wherein the act of calling an external contact data control that abstracts the formatting of the schematized contact data from the application comprises an act of calling a contact data control that checks the validity of he received non-schematized data.

19. (Original) The method as recited in claim 15, wherein the act of calling an external contact data control that abstracts the formatting of the schematized contact data from the application comprises an act calling a contact data control that is configured to translate the received non-schematized contact data into schematized contact data.

20. (Currently Amended) The method as recited in claim 15, wherein the act of updating the schematized contact data based on the updated non-schematized contact data comprises an act of causing the schematized contact data to be stored in a centralized storage location.

21. (Currently Amended) A computing system, comprising:
- one or more processors; and
 - one or more computer-readable storage media, having stored thereon schematized contact data, one or more applications that are not configured to natively access the schematized contact data, and at least one contact data control that can be executed by the one or more processors, the at least one contact data control abstracting schematized contact data from applications, the at least one contact data control being configured to:
 - receive a request from an application that lacks the configuration to natively access the schematized contact data;
 - retrieve schematized contact data in response to the request;~~and~~
 - abstract formatting of the schematized contact data from the application that lacks the configuration to natively access the schematized contact data;
 - convert retrieved schematized contact data to corresponding non-schematized contact data such that the application can present contact data to a user notwithstanding that the application lacks the configuration to access the schematized contact data directly; and
 - send the non-schematized contact data to the application to be presented to a user.
22. (Original) The system as recited in claim 21, wherein the contact data control is further configured to alter how the non-schematized contact data is presented at the application.
23. (Original) The system as recited in claim 21, wherein the contact data control being configured to alter how the non-schematized contact data is presented at the application comprises the contact data control being configured to prevent empty data fields from being presented.

24. (Original) The system as recited in claim 21, wherein the contact data control being configured to alter how the non-schematized contact data is presented at the application comprises the contact data control being configured to offer an actionable user-interface.

25. (Original) The system as recited in claim 21, wherein the contact data control being configured to alter how the non-schematized contact data is presented at the application comprises the contact data control being configured presents tasks associated with a data field when focus is shifted to the data field.

26. (Original) The system as recited in claim 21, wherein the contact data control being configured to alter how the non-schematized contact data is presented at the application comprises the contact data control being configured to provide a pop-up menu to manipulate contact data.

27. (Original) The system as recited in claim 21, wherein the contact data control being configured to alter how the non-schematized contact data is presented at the application comprises the contact data control being configured to set a default value for a multi-value set.

28. (Currently Amended) A computing system, comprising:

one or more processors; and

one or more computer-readable storage media, having stored thereon schematized contact data, one or more applications lacking the configuration to natively access the schematized contact data, and at least one contact data control that can be executed by the one or more processors, the at least one contact data control abstracting schematized contact data from applications, the at least one contact data control being configured to:

receive an request from an application to access schematized contact data, notwithstanding the application lacking the configuration to natively access schematized contact data;

abstract the formatting of the schematized contact data from the application calling the external contact data control;

retrieve schematized contact data corresponding to the request from the application;

convert the schematized contact data to corresponding non-schematized contact data using the formatting abstracted from the application by the external contact data control;

send the non-schematized contact data to the application;

receive updated non-schematized contact data from the application;

using the formatting abstracted from the application to convert the updated non-schematized contact data to corresponding schematized contact data that conforms with a contact data schema such that an application can update schematized contact data notwithstanding that the application lacks the configuration to natively access the schematized contact data; and

store corresponding schematized contact data such that other applications can access the stored schematized contact data in accordance with the contact data schema.;

29. (Currently Amended) The system as recited in claim 28, wherein the contact data control ~~being~~is configured to convert the non-schematized contact data to corresponding schematized contact data ~~comprises an act~~by calling a parser that parses the non-schematized data such that the non-schematized data can be made to conform with a contact data schema.

30. (Currently Amended) The system as recited in claim 28, wherein the contact data control ~~being~~is configured to convert the non-schematized contact data to corresponding schematized contact data ~~comprises contact data control being configured to~~by checking the validity of received non-schematized data.